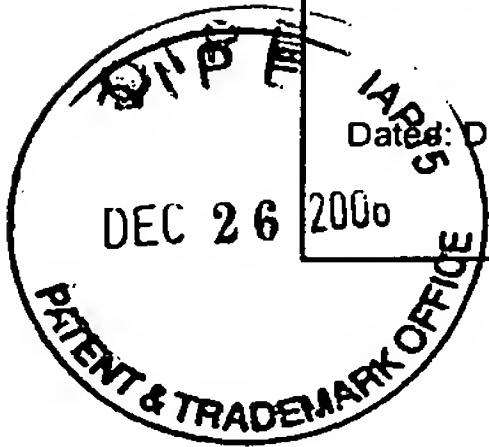


I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV967909662US, on the date shown below in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: December 26, 2006 Signature:

Christine M. Holmes

Docket No.: 210\_794  
(PATENT)



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Mikhail B. Gorbounov et al.

Application No.: 10/594,651

Confirmation No.: 2312

Filed: September 27, 2006

Art Unit: 3753

For: HEAT EXCHANGER WITH MULTIPLE  
STAGE FLUID EXPANSION IN HEADER

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.97, Applicant(s) hereby make of record the following documents. A PTO Form SB/08 and a full copy of each of the documents required under 37 CFR 1.98(a)(2) accompany this statement.

Applicant(s) also submit herewith the following documents, issued during the prosecution of International Application No. PCT/US05/47362, which corresponds to the above referenced application: A copy of the International Search Report and also a copy of the Written Opinion of the International Search Authority.

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no


other relevant information exists. Nor shall the citation of any document herein be construed *per se* as a representation that such document is prior art. Moreover, Applicant(s) understand(s) the Examiner will make an independent evaluation of the cited documents.

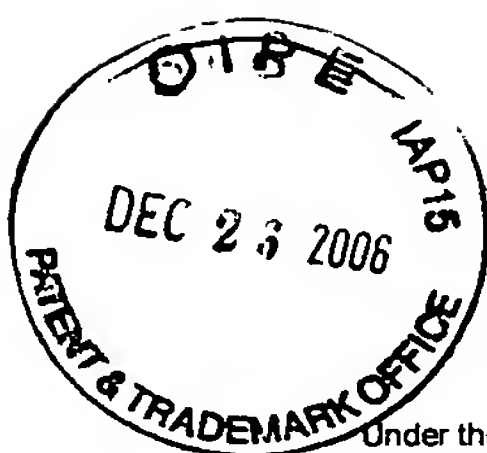
This Information Disclosure Statement is filed within three months of the date of entry of the national stage of an international application as set forth in 37 CFR 1.491 (37 CFR 1.97(b)(2)).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to Deposit Account No. 03-0835, under Order No. 210\_794. A duplicate copy of this paper is enclosed.

Dated: December 26, 2006

Respectfully submitted,

By   
William W. Habelt  
Registration No.: 29,162  
WALL MARJAMA & BILINSKI LLP  
250 South Clinton Street  
Suite 300  
Syracuse, New York 13202  
(315) 425-9000  
Customer No.: 20874



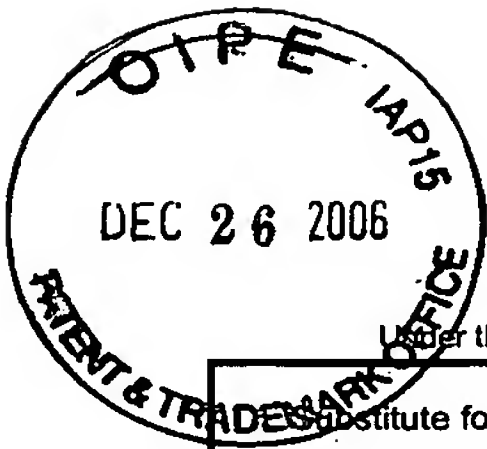
<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/594,651-Conf. #2312
				Filing Date	September 27, 2006
				First Named Inventor	Mikhail B. Gorbounov
				Art Unit	3753
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	210_794

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-5,632,329	05-27-1997	Fay	
	AB*	US-4,724,904	02-16-1988	Fletcher et al.	
	AC*	US-4,607,689	08-26-1986	Mochida et al.	
	AD*	US-5,415,223	05-16-1995	Reavis et al.	
	AE*	US-6,340,055	01-22-2002	Yamauchi et al.	
	AF*	US-5,320,165	06-14-1994	Hughes	
	AG*	US-20010004935-A1	06-28-2001	Sanada et al.	
	AH*	US-6,564,863	05-20-2003	Martins et al.	
	AI*	US-20030155109-A1	08-21-2003	Kawakubo et al.	
	AJ*	US-5,743,329	04-28-1998	Damsohn et al.	
	AK*	US-4,382,468	05-10-1983	Hastwell et al.	
	AL*	US-5,934,367	08-10-1999	Shimmura et al.	
	AM*	US-5,517,757	05-21-1996	Hayashi et al.	
	AN*	US-6,688,138	02-10-2004	DiFlora	
	AO*	US-20030116308	06-26-2003	Watanabe et al.	
	AP*	US-5,941,303	08-24-1999	Gowan et al.	
	AQ*	US-6,688,137	02-10-2004	Gupte	
	AR*	US-5,971,065	10-26-1999	Bertilson et al.	
	AS*	US-5,967,228	10-19-1999	Bergman et al.	
	AT*	US-5,826,649	10-27-1998	Chapp et al.	
	AU*	US-5,341,870	08-30-1994	Hughes et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	EP-0228330	07-08-1987	Chausson Usines Sa		
	BB	FR-1258044	04-07-1961	Lummus Nederland N V		
	BC	JP-2217764	08-30-1990	Matsushita electric Ind Co Ltd		
	BD	JP-4080575	03-13-1992	Technol Res Assoc Super Heat Pump Energ Accum Syst		
	BE	JP-6241682	09-02-1994	Hitachi Ltd		
	BF	JP-7301472	11-14-1995	Matsushita Refrig Co Ltd		
	BG	JP-8233409	09-13-1996	Matsushita Refrig Co Ltd et al.		
	BH	JP-2002022313	01-23-2002	Matsushita Refrig Co Ltd		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/594,651-Conf. #2312
				Filing Date	September 27, 2006
				First Named Inventor	Mikhail B. Gorbounov
				Art Unit	3753
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	210_794
Sheet	2	of	1		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



Application No. (if known): 10/594,651

Attorney Docket No.: 210\_794

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV967909662US in an envelope addressed to:

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on December 26, 2006  
Date

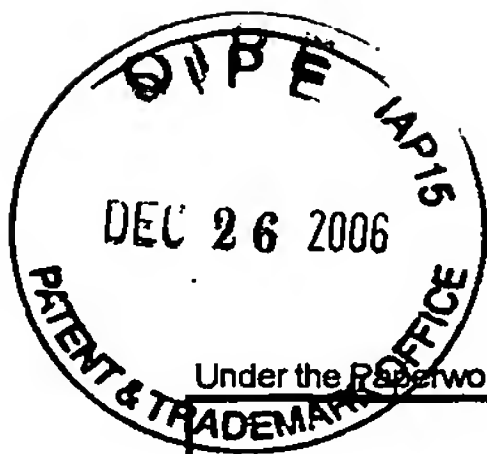
  
Signature

Christine M. Holmes  
Typed or printed name of person signing Certificate

Registration Number, if applicable (315) 425-9000  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

IDS (Citation) by Applicant (15 References) (1 page)



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/21 (09-06)  
Approved for use through 03/31/2007. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/594,651-Conf. #2312
		Filing Date	September 27, 2006
		First Named Inventor	Mikhail B. Gorbounov
		Art Unit	3753
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	69	Attorney Docket Number	210_794

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB/08A/B (2 pg.), Certificate of Express Mailing (1 pg.), Copy of International Search Report (5 pgs.), copies of references BA and BB (59 pgs.) and Return Mailroom Postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WALL MARJAMA & BILINSKI LLP		
Signature			
Printed name	William W. Habelt		
Date	December 26, 2006	Reg. No.	29,162

<b>Transmittal</b> I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV967909662US, on the date shown below in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: December 26, 2006	Signature Christine M. Holmes